

7
STAT

JUBILEE SCIENTIFIC CONFERENCE OF THE STATE SCIENTIFIC
CONTROL INSTITUTE FOR VETERINARY PREPARATIONS
author: Y. E. Borisovich

Source: Veterinariya, No 6, 1951, pp 60-62

STAT

STAT

JUBILEE SCIENTIFIC CONFERENCE OF THE
STATE SCIENTIFIC CONTROL INSTITUTE FOR VETERINARY PREPARATIONS

Scientific Collaborator Yu.
F. Borisovich

From 3 to 9 April 1951, in Moscow, a jubilee scientific conference was held in honor of the twentieth anniversary of the State Scientific Control Institute for Veterinary Preparations which was founded in 1931. The conference was attended by the state controllers, directors, and chief veterinary doctors of the biological factories. The leaders of many scientific veterinary research institutes in Moscow, Leningrad, the Ukraine, and other places, also participated in the work of the conference. A total of more than 200 veterinary workers engaged in the work of the conference, including the director of the Veterinary Administration and member of the board of the Ministry of Agriculture, USSR Yu. N. Goloshchapov; the deputy director of the Veterinary Administration of the Ministry of Agriculture, USSR Comrade Verteletskiy; six Stalin Prize winners; ten professors; and more than 35 candidates in science.

The director of the Institute, Doctor of Veterinary Sciences Professor Yu. R. Kovalenko opened the jubilee conference by giving the first speech.

The first report was given by Comrade Goloshchapov, on "The Tasks of Veterinary Workers in the Program for the Further Advance of Animal Husbandry". Describing the general situation and conditions of animal husbandry, Comrade Goloshchapov dwelt on the concrete tasks facing the veterinary workers in the program

to advance animal husbandry further in the Soviet Union. These tasks include those facing the workers of the veterinary biological industry and the scientific collaborators of the State Scientific Control Institute. "The Control Institute", said Comrade Goloshchapov, "and its state controllers in the biological factories do extraordinarily responsible work every day in their control of 72 types of biological preparations which are produced by the biologicals factories and the veterinary scientific research institutes. The Control Institute has had considerable success in this field, particularly recently. The percentage of rejects in the material produced by the biologicals factories has been markedly reduced. The Institute deserves considerable credit also for its valuable scientific work, which has been introduced, and will continue to be introduced, into veterinary practice. The body of collaborators of the Institute has developed original methods of producing a number of new inoculation agents. These include particularly tissue vaccines for use against plague of large horned cattle; serums for use against emphysematous carbuncles; aluminum hydroxide vaccines for use against sheep smallpox; vaccines for use against paratyphus in small pigs; a "deposited" vaccine to combat plague among horned cattle; an aluminum hydroxide vaccine for use against swine erysipelas; a bivalent vaccine for use in sheep bradset; and a precipitated vaccine to combat hemorrhagic septicemia in large horned cattle and sheep. Furthermore, the therapeutic properties of haemosporidine and other materials, have been studied. The immediate tasks facing the institute are to introduce their scientific accomplishments still more quickly into practice in animal husbandry, and to fight more fiercely to raise the quality of biological preparations produced. All efforts must be directed toward the further development of kolkhoz and sovkhos animal husbandry.

In concluding his report Comrade Goloshchapov expressed his belief that all those working at the Control Institute would continue to fulfill all the tasks assigned to them with distinction.

The director of the Counter-epizootic section of the Veterinary Administration of the Ministry of Agriculture, USSR, A. D. Ivanov announced that a communication had been received from the Ministry of Agriculture, USSR, on the occasion of the jubilee of the Institute. The communication expressed thanks to a number of collaborators of the Institute, and to the state controllers of the biologicals factories.

The Control Institute was also presented with a great number of congratulatory statements, and telegrams were read from various veterinary establishments and individual scholars.

In the name of the management of the Institute, Deputy Director Candidate of Veterinary Sciences F. I. Kagan expressed sincere thanks to all establishments and to all persons who had congratulated the Institute and its collaborators on the occasion of its twentieth-anniversary jubilee, and assured all those gathered that the collaborators of the Institute would direct all of their knowledge and efforts toward the further rise in the quality of the preparations produced by the biologicals factories.

On the first of the work of the conference a report was heard from Doctor of Biological Sciences Professor G. M. Bosh'-yan, entitled "New Theoretical Foundations for the Preparation of Inoculation Agents".

After this, other reports were heard on the same subject, from Professor Ya. R. Kovalenko, on "Scientific Foundations in the manufacture of Biological Preparations"; Stalin Prize winners Professor N. V. Likhachev, on "Ways and Means of Obtaining Biological Preparations for Active Immunization against Virus Infections"; and Doctor of Veterinary Sciences M. M. Ivanov, and others.

The collaborators of the Institute are conducting their scientific work in harmony with the scientific productive work of the biologicals factories. This is shown by the fact that of 50 reports heard at the conference, more than 20 were presented by workers in the biologicals industry. Great interest was shown in the reports of the Director of the Scientific Production Laboratory of the Kashintsev Biologicals Factory V. P. Chumakov, on "Studies of the Possibilities of Manufacturing Biological Preparations by the 'Hypogeal' [glubinnyy] method"; of A. N. Sheyn, of the Kursk Biologicals Factory, on "Using a Medium of Hydrolyzed Legumes for Preparing Tuberculin"; of State Controller V. N. Grachev, of the Tobol'sk Biologicals Factory, on "Mastery of the Production of Serum for Use against Aujeszky's Disease"; and of State Controller of the Stavropol' Biologicals Factory A. I. Nefed'yev, on "The Adoption and Use of a Hyperimmunity Serum for Use against Sheep Paratyphus"; and others.

The Director of the Institute Professor Ya. R. Kovalenko, in his report on "The Results of the Work of the Institute in Its First 20 Years, and the Outlook for the Future", pointed out that the collaborators of the Institute had carried out more than 300 different projects in 20 years. Most of these projects have

been published in the editions of the Institute. These include a textbook on the preparation and control of biological preparation and control of biological preparations, which has had two editions; a book on the use of inoculation agents; three monographs on general veterinary questions; a textbook on laboratory procedure; and two volumes of the work of the Institute, with a third volume in the press.

The following are at present working^m at the Institute: Active Member of the Academy of Sciences, BSSR, Professor M. K. Yuskovets; five professors, 11 candidates of sciences; and a number of scientific collaborators, including a chemist, a pathological anatomist, and other specialists. Among the scientific collaborators of the Institute are two Stalin Prize winners, the outstanding veterinary doctors of the RSFSR. The workers of the Institute receive government subsidies.

Along with the growth of the cadres attached to the Institute numerous cadres of specialists for the veterinary biologicals industry have been trained.

The scientific level of the state controllers has risen sharply, particularly recently. For example, the State Controller of the Alma Ata Biologicals Combine A. A. Pal'gov defended a dissertation for the degree of Candidate of Veterinary Sciences, while state controllers B. V. Gorlov, of the Kalzh Biologicals Factory, and A. I. Nefed'yev, of the Stavropol' Biologicals Factory, and others, are preparing to defend their candidate dissertations.

Professor Ya. R. Kovalenko concluded his report by assuring

his audience that the collaborators of the Institute and the workers of the biologicals industry would exert all their efforts toward the further improvement of animal husbandry in the Soviet Union.

Reports were also heard at the conference from the scientific collaborators of the Institute, of candidates of veterinary sciences F. I. Kagen ("Evaluation of the Quality of Biological Preparations, and Tasks Connected with Their Improvement") and Ye. K. Volik ("Scientific Foundations and Principles of the 'Hypogeal' Method of Culturing Microbes and the Use of This Method in the Biological Industry"); and of Scientific Collaborator of the Biochemical Laboratory V. A. Plotnikova ("Nitrogen and Carbohydrate Exchange of Paratyphus Cultures in the 'Hypogeal' Method of Culturing"). Academician M. K. Yuskovets gave two reports on "Present Principles of the Use of Allergy Preparations and the Outlook for Their Future Improvement", and "Studies of Immunogenic agents of Brucellosis Cultures and Their Selection for Prophylactic Immunization against Brucellosis in Agricultural Animals". Reports were also given by the collaborators of the laboratory for the control of biological preparations to combat filtrable-virus infections and by candidates of veterinary sciences V. N. Syurin, on "Active Prophylaxis in Smallpox-Diphtheria of Fowl", and P. M. Bazylev, on "Methods of Active Prophylaxis in Plague of Large Horned Cattle".

The evening session of the conference on 5 April was devoted primarily to problems of malignant anthrax. At the session Doctor of Veterinary Sciences Professor S. G. Kolesov gave reports on "Present Methods of Active Prophylaxis against Malignant Anthrax" and "Directed Variability of Malignant Anthrax Microbes in the

Effort to Obtain a Vaccine". Candidate of Veterinary Sciences Ye. Sh. Akopyan gave a report on "The Activation of Asymptomatic Infections in Experimental Animals under the Influence of the Malignant Anthrax Vaccine Known as STI", while Scientific Collaborator Yu. F. Borisovich reported "On the Cultural-Morphological and Biological Properties of Variant Microbes of Malignant Anthrax". After these reports had been given there was discussion by Professor F. A. Terent'yev (VIEV); Stalin Prize Winner, Colonel of the Medical Service A. L. Tamarin (Scientific Research Institute on Epidemiology of the Armed Forces of the USSR); Chief Veterinary Doctor of the Omsk Biologicals Combine D. A. Shayn; and others.

On the following day reports were given by Ye. K. Volik, "On Rational Methods of Using and Feeding Producers"; Scientific collaborator Ye. Ya. Nikolayev, on "Pathohistological Changes in Serum Producers"; Candidate of Veterinary Sciences N. M. Nikiforova, on "Ways of Increasing the Activity of Serum to Combat Swine Erysipelas". An active discussion developed on the question of obtaining a more active serum against swine erysipelas, in which G. F. Simonov, of the Krasnodarsk Biologicals Factory; V. M. Zheregii, the chief veterinary doctor of the Galeshin Biologicals Factory; M. Il'yashenko, a female candidate at VIEV; M. T. Korotkov, the Director of the Armavir Biologicals Factory; I. I. Lysenko, of the Ukrainian Institute for Experimental Veterinary Medicine; N. M. Nikiforova; A. G. Malyavin; and others took part.

At the evening session on 6 April reports were heard from M. M. Ivanov ("Methods of Active Prophylaxis in Coliparatyphous Infections"); Scientific Collaborator A. V. Romin ("Obtaining and Using a Bacteriophage in the Fight against Pullorosis");

Candidate of Veterinary Sciences A. G. Malyavin ("Polyvalent Biological Preparations in the Prophylaxis and Therapy of the Diseases of Young Animals"); N. M. Nikiforova ("Methods of Active Prophylaxis in Pasteurellosis of Animals"); A. I. Shmulevich ("New Chemical Therapeutic Preparations and the Outlook for Their Use in Veterinary Medicine"); Candidate of Biological Sciences M. A. Babich ("Biochemical Methods in Evaluating the Quality of Ingredients and of Biological Preparations"); and others. More than 15 persons participated in the discussion on the reports.

On the last day of the work of the conference a report was heard from Doctor of Biological Sciences L. A. Kalnichenko, of the Institute for Experimental Biology of the Academy of Medical Sciences, USSR, on the studies made by Stalin Prize Winner Professor O. B. Iepeshanskaya, entitled "On Noncellular Forms of Life and the Development of Cells").

The participants of the conference adopted a resolution aimed at the future improvement of the daily work of the Institute and of the biologicals factories.

The participants of the scientific conference also expressed the desire to convene conferences of workers of the biologicals industry frequently, and to publish a scientific-production bulletin to exchange experiences in the manufacture of biological preparations.